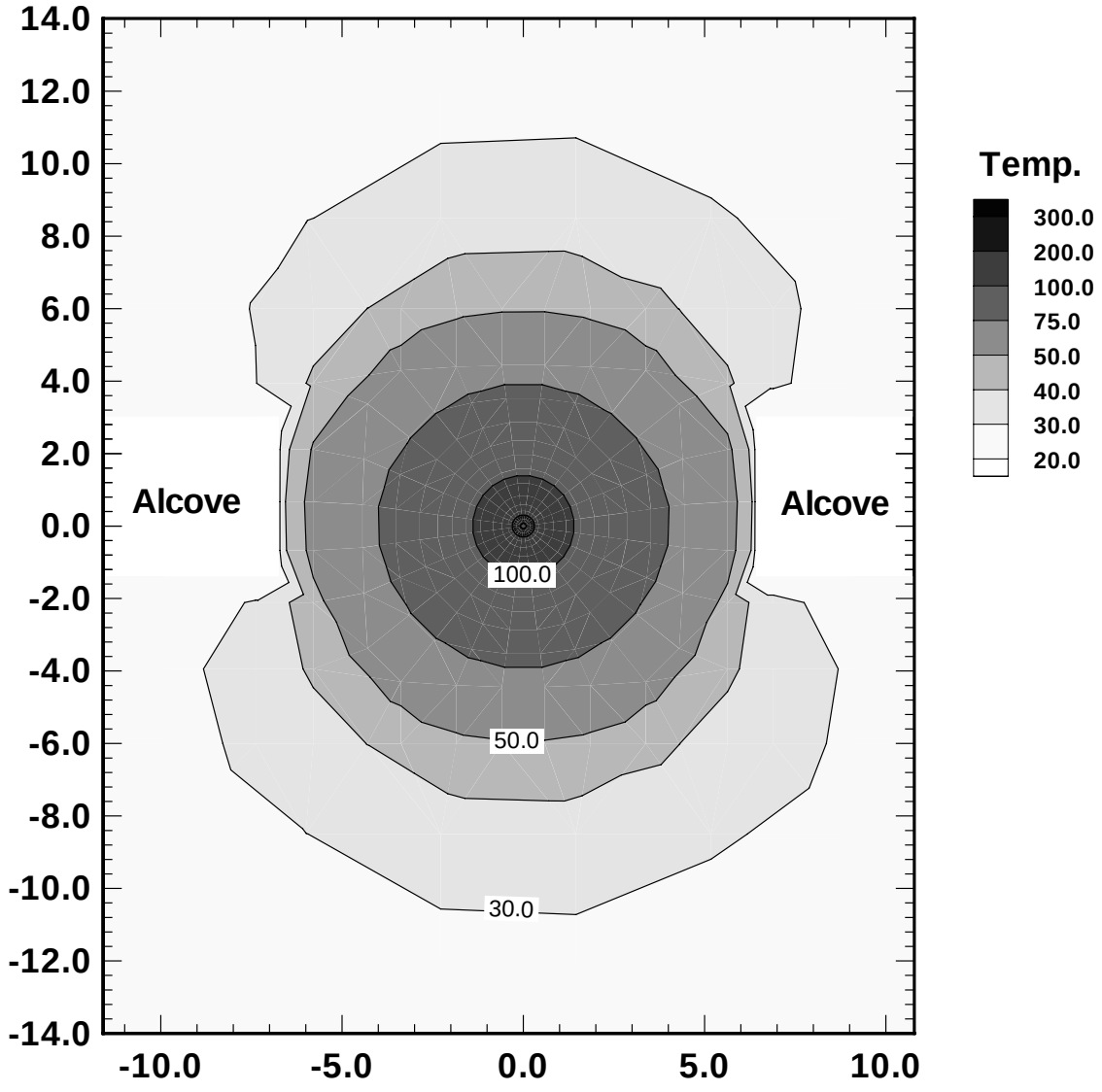

Figure 6.1-1 *Temperature response for Base Case at 1 year in 2D - simulation.*

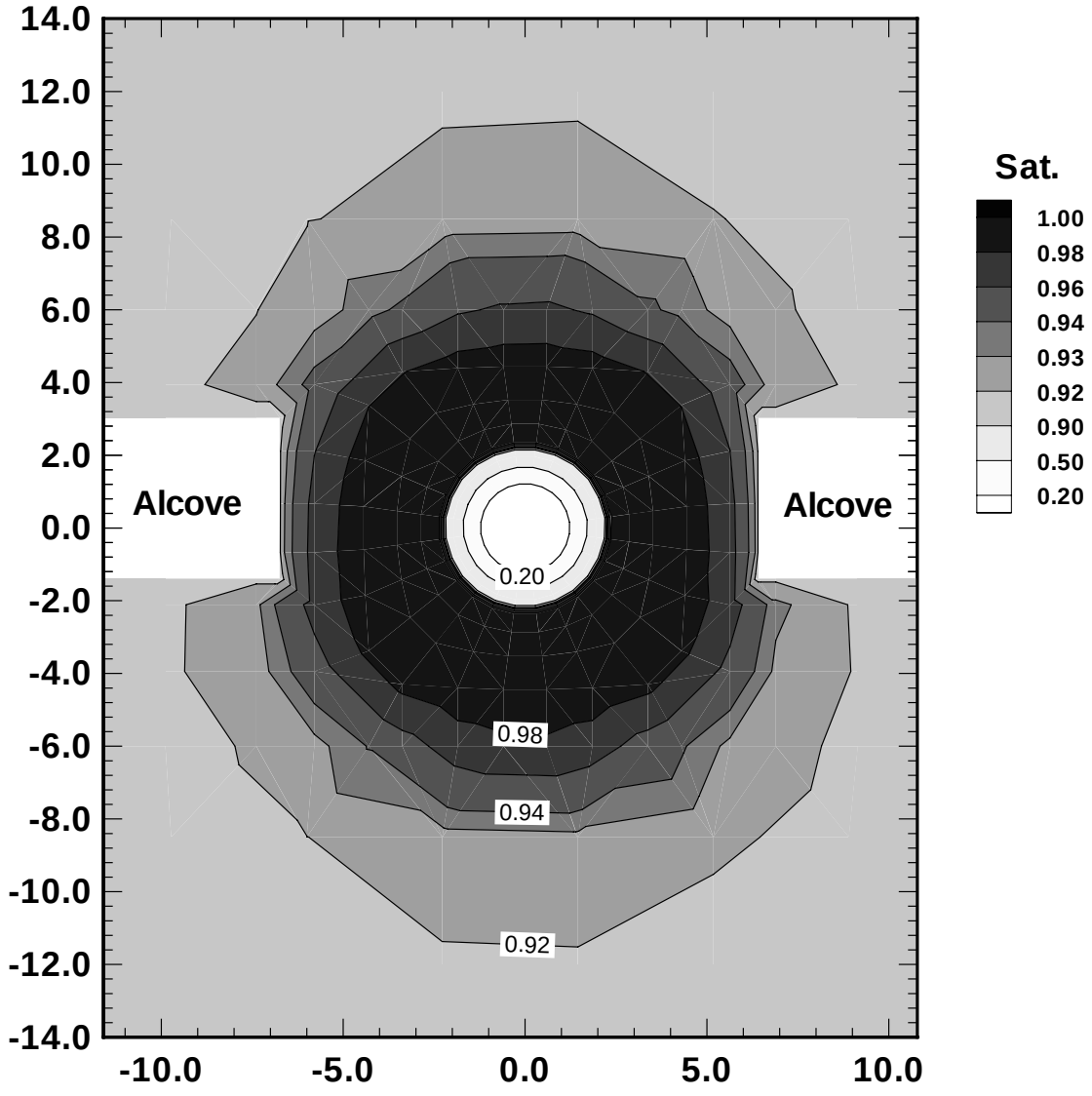

Figure 6.1-2 *Equivalent continuum liquid saturation for Base Case at 1 year in 2D - simulation.*

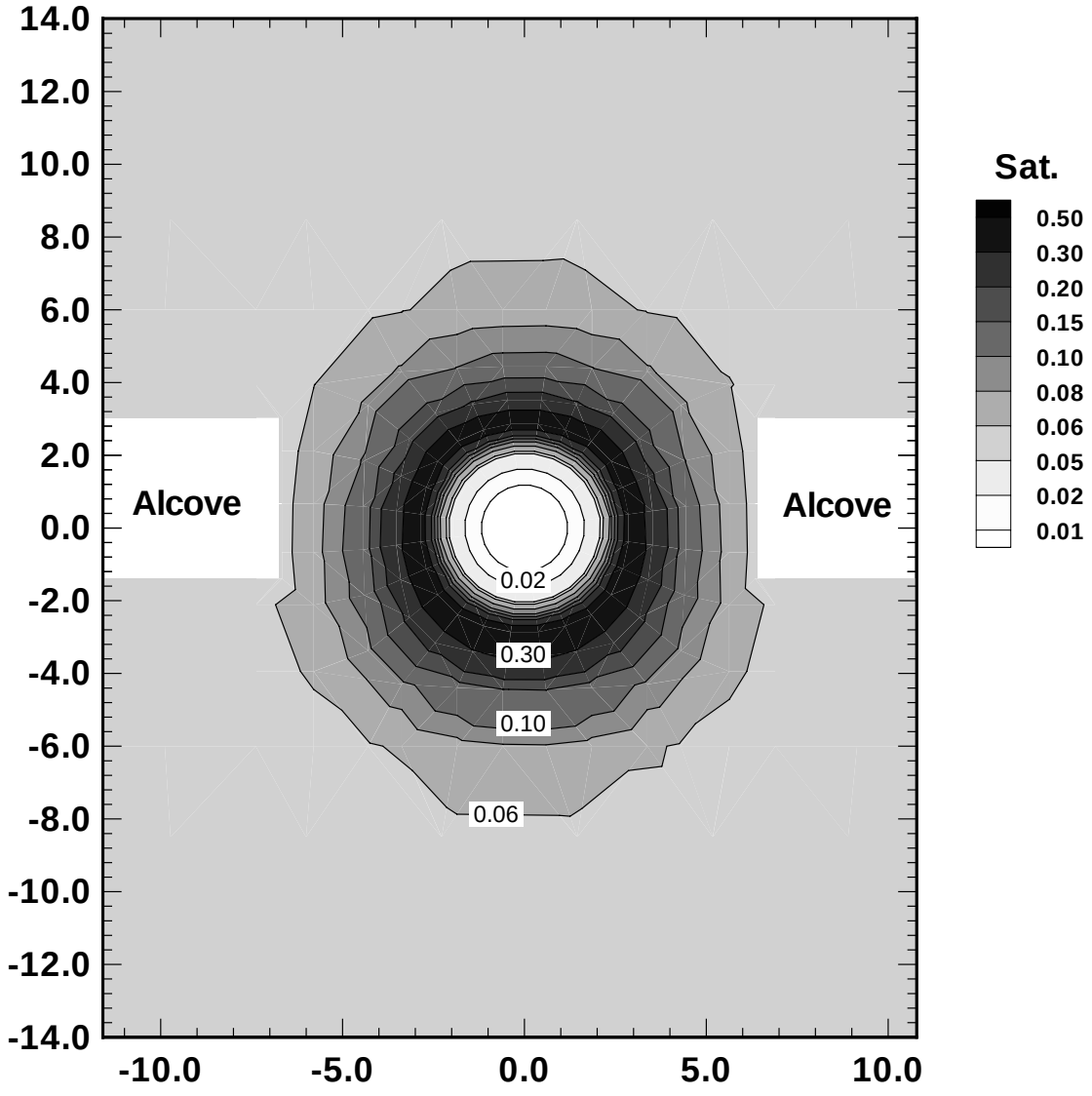

Figure 6.1-3 *Fracture liquid saturation for Base Case at 1 year in 2D - simulation.*

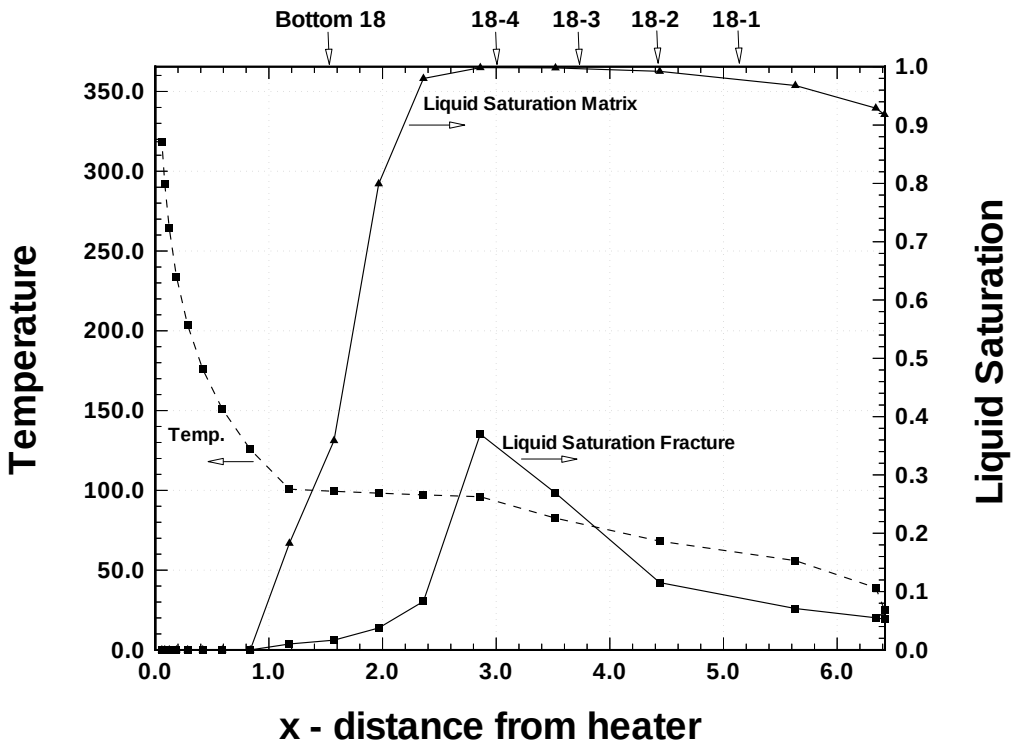

Figure 6.1-4 *Temperature / liquid saturation for Base Case in 2D - simulation at 1 year along X - axis at Z = 0.0 m.*

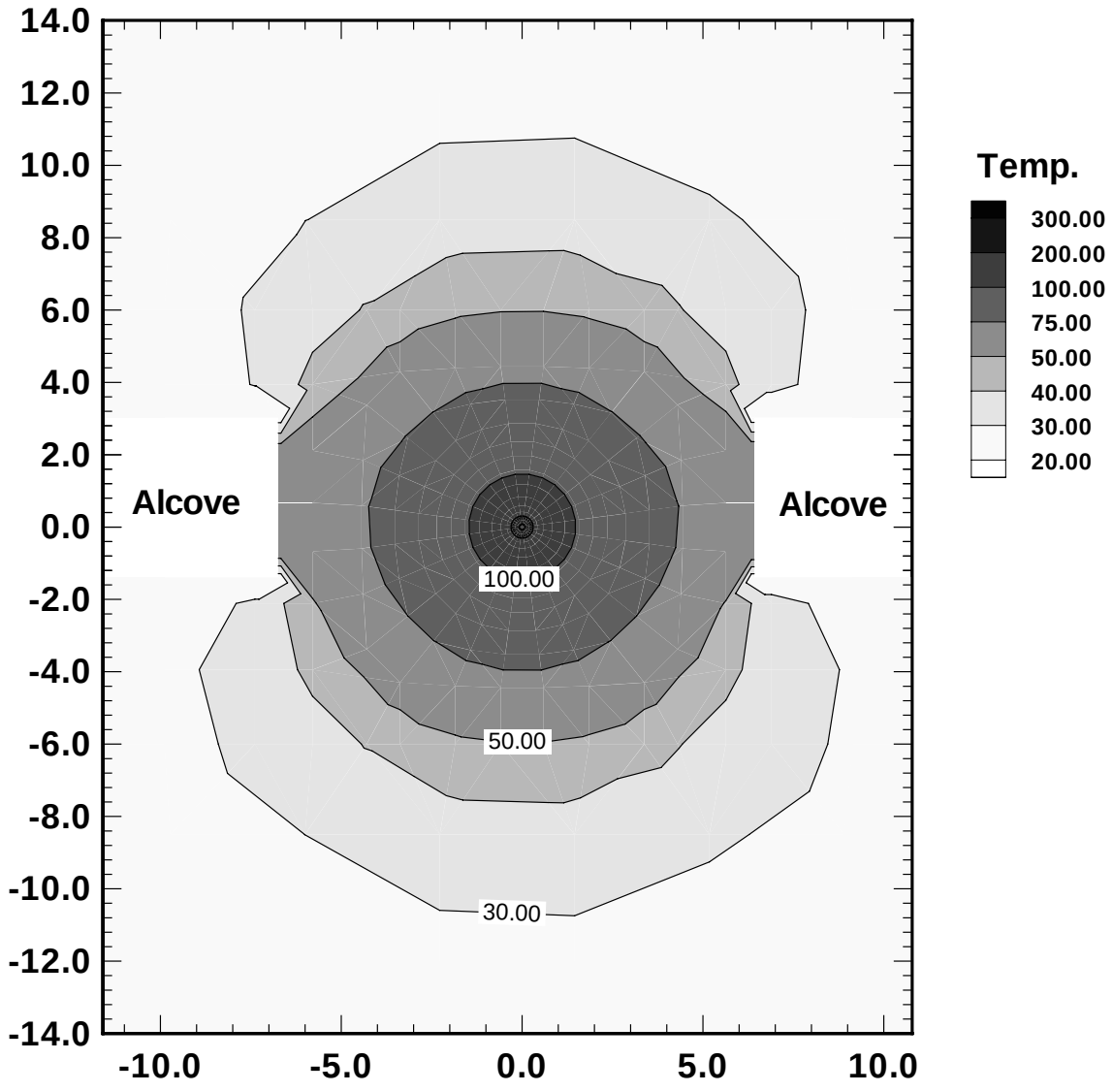

Figure 6.2-1 *Temperature response for case with perfect insulation at alcove walls at 1 year in 2D - simulation.*

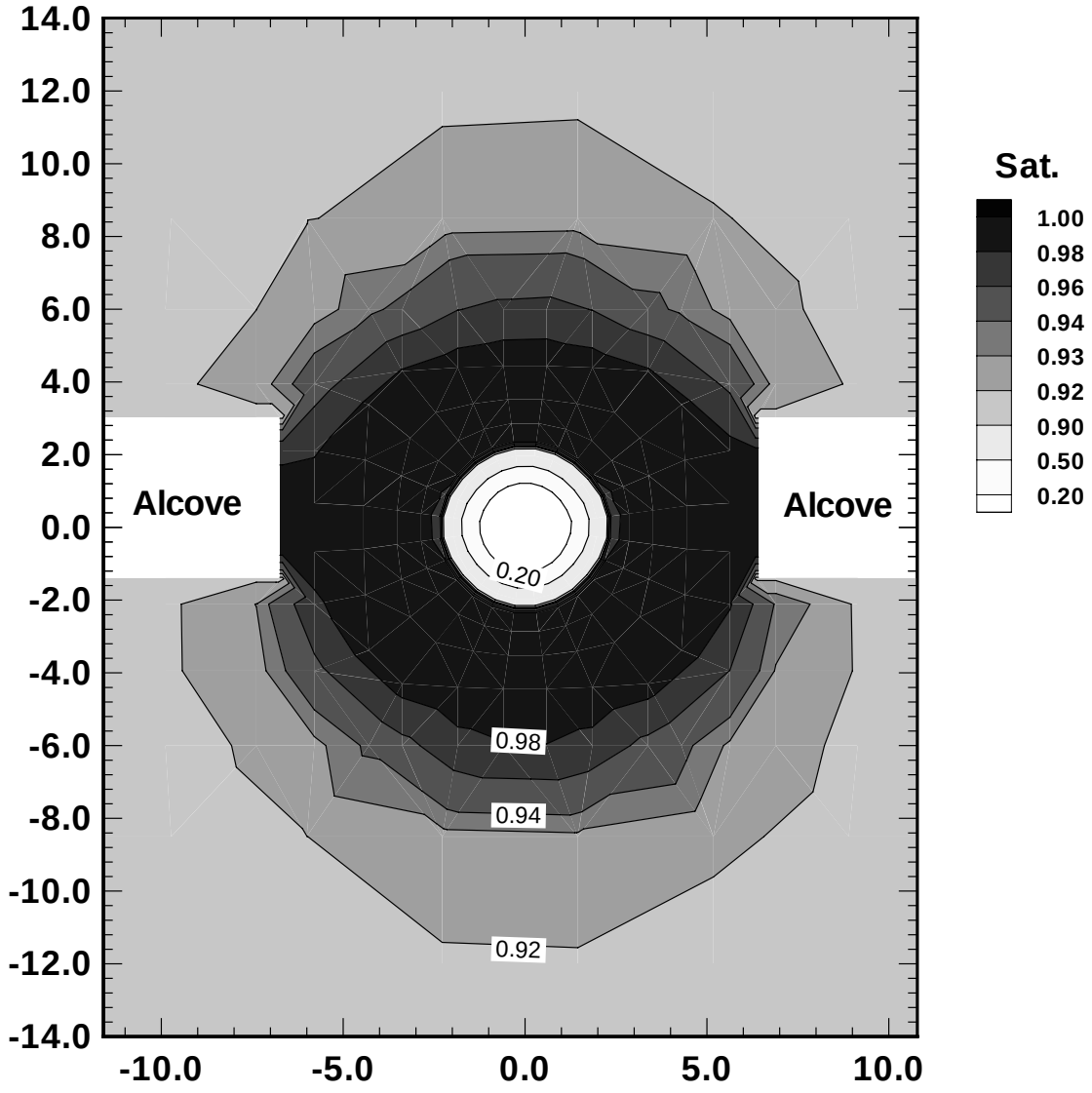

Figure 6.2-2 *Equivalent continuum liquid saturation for case with perfect insulation at alcove walls at 1 year in 2D - simulation.*

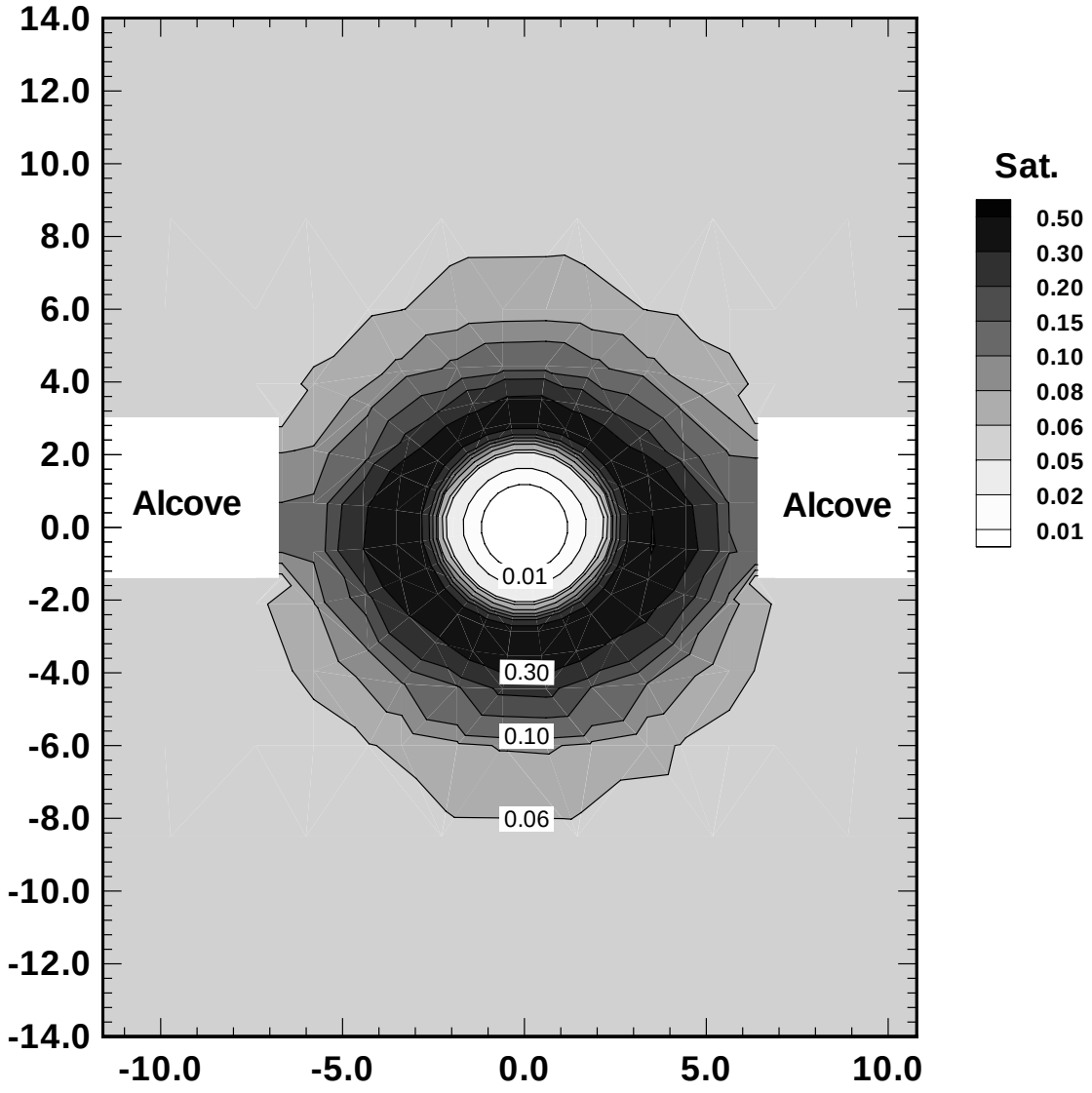

Figure 6.2-3 *Fracture liquid saturation for case with perfect insulation at alcove walls at 1 year in 2D - simulation.*

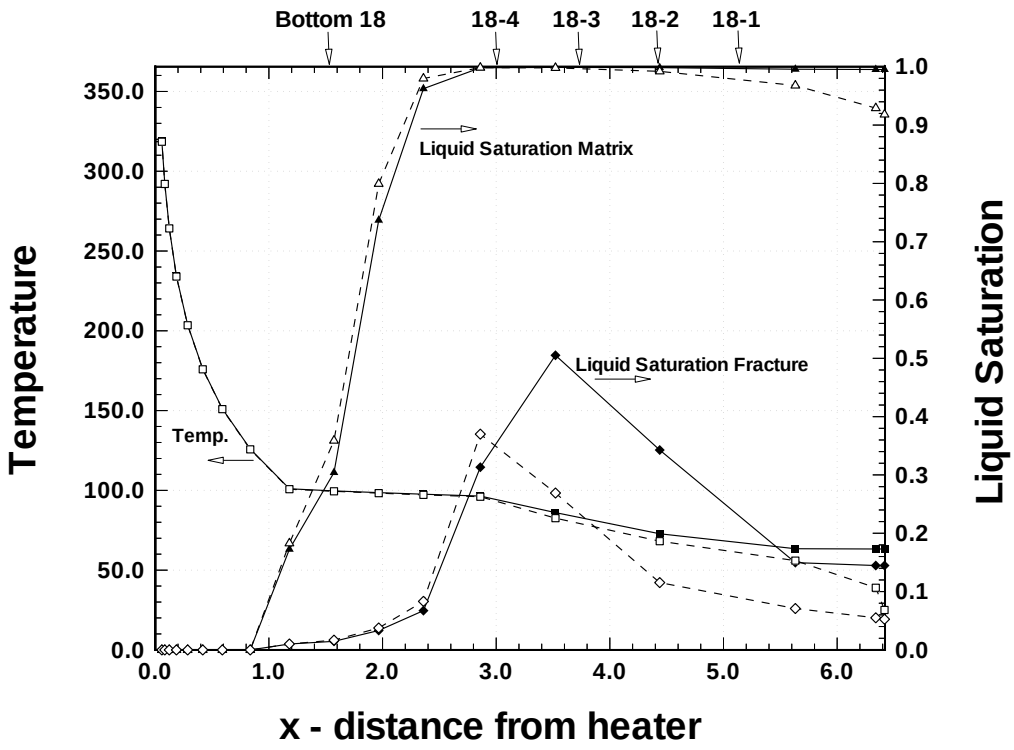

Figure 6.2-4 *Comparison of temperature / liquid saturation at 1 year along X - axis at Z = 0.0 m for two different alcove boundary conditions in 2D - simulation. Solid symbols / lines denote a perfect insulation for heat, liquid and gas; hollow symbols and dashed lines denote insulation for heat only, as used in the Base Case.*

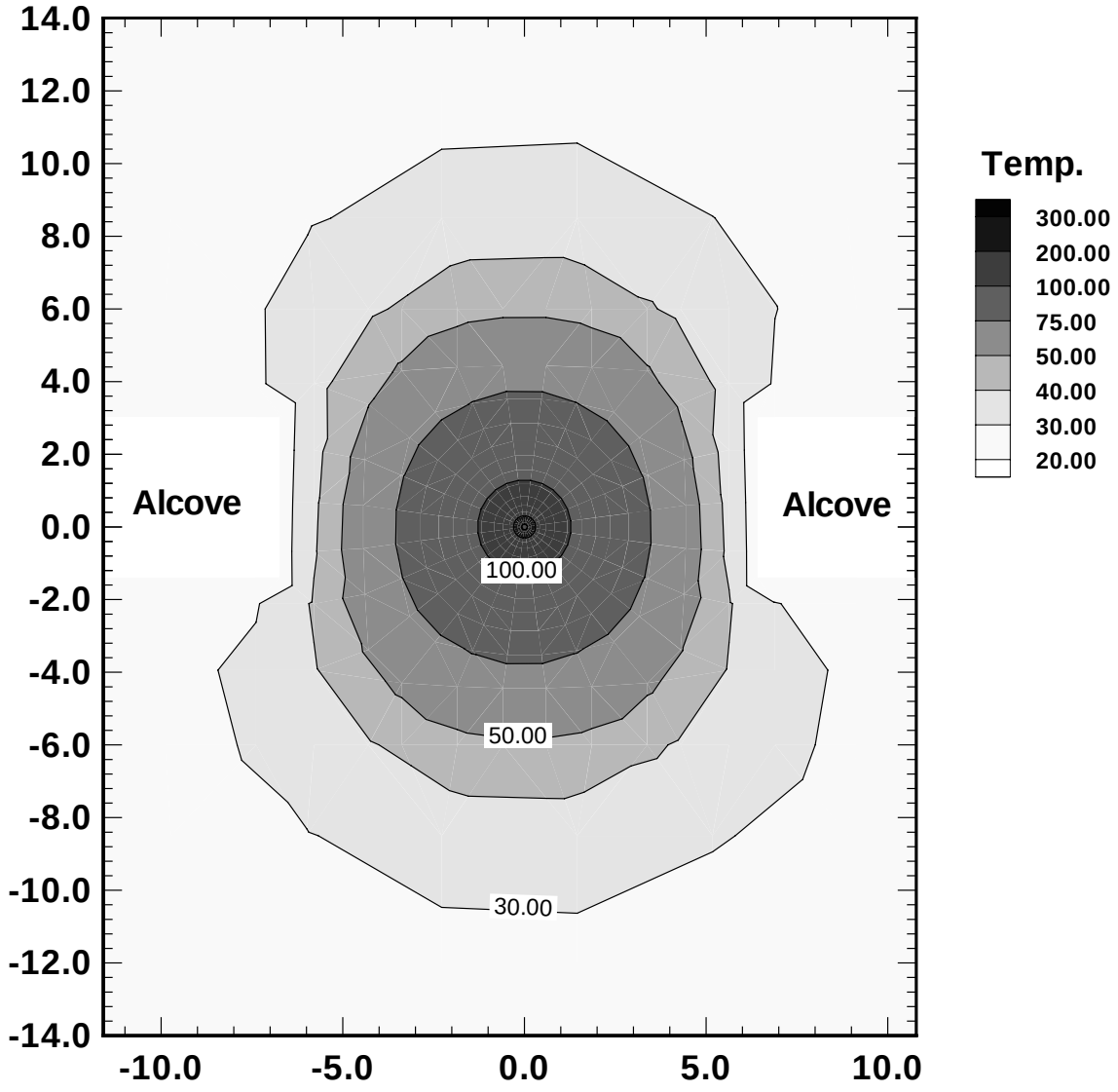

Figure 6.2-5 *Temperature response for case with non-insulated alcove walls at 1 year in 2D - simulation.*

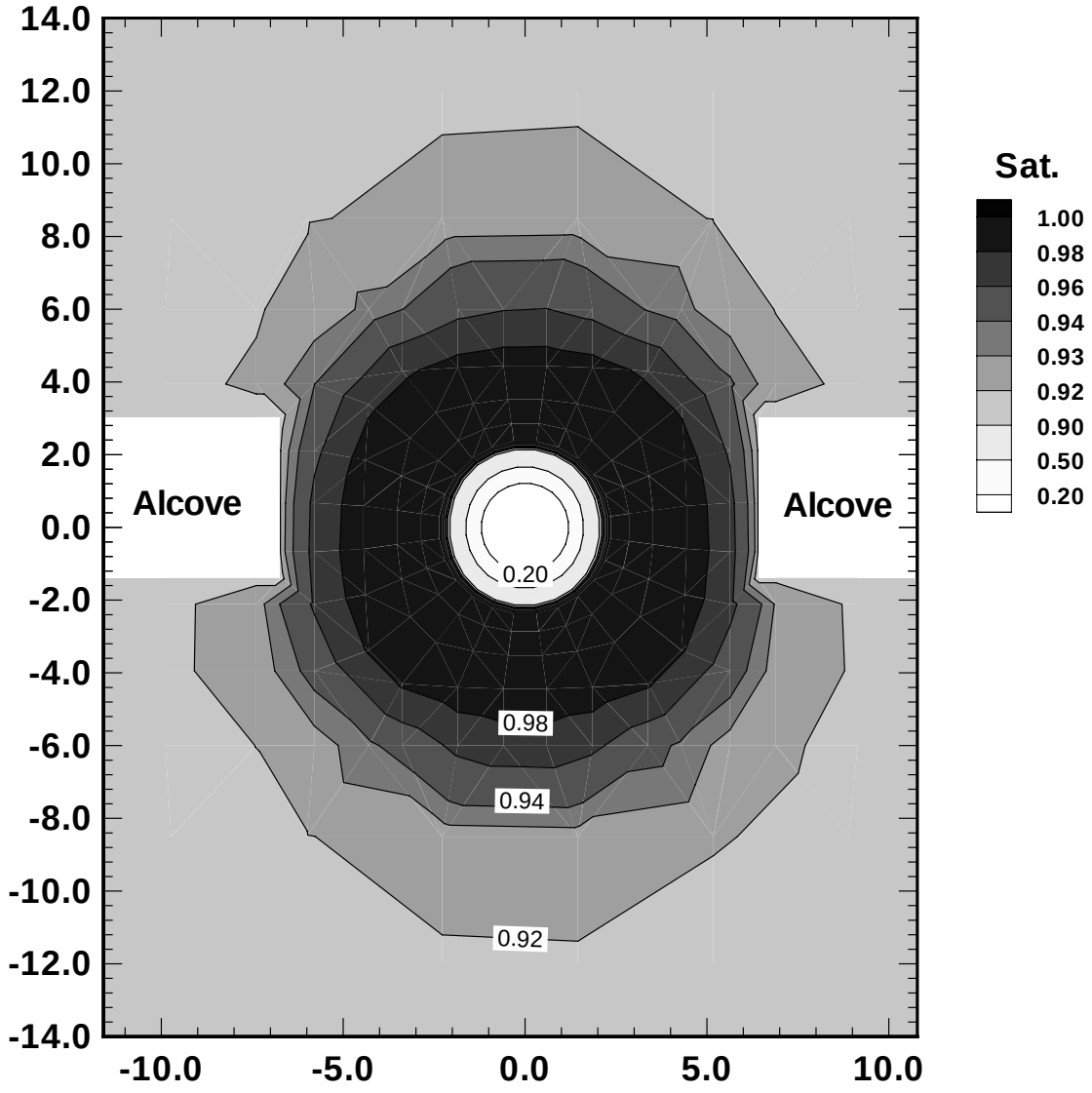

Figure 6.2-6 *Equivalent continuum liquid saturation for case with non-insulated alcove walls at 1 year in 2D - simulation.*

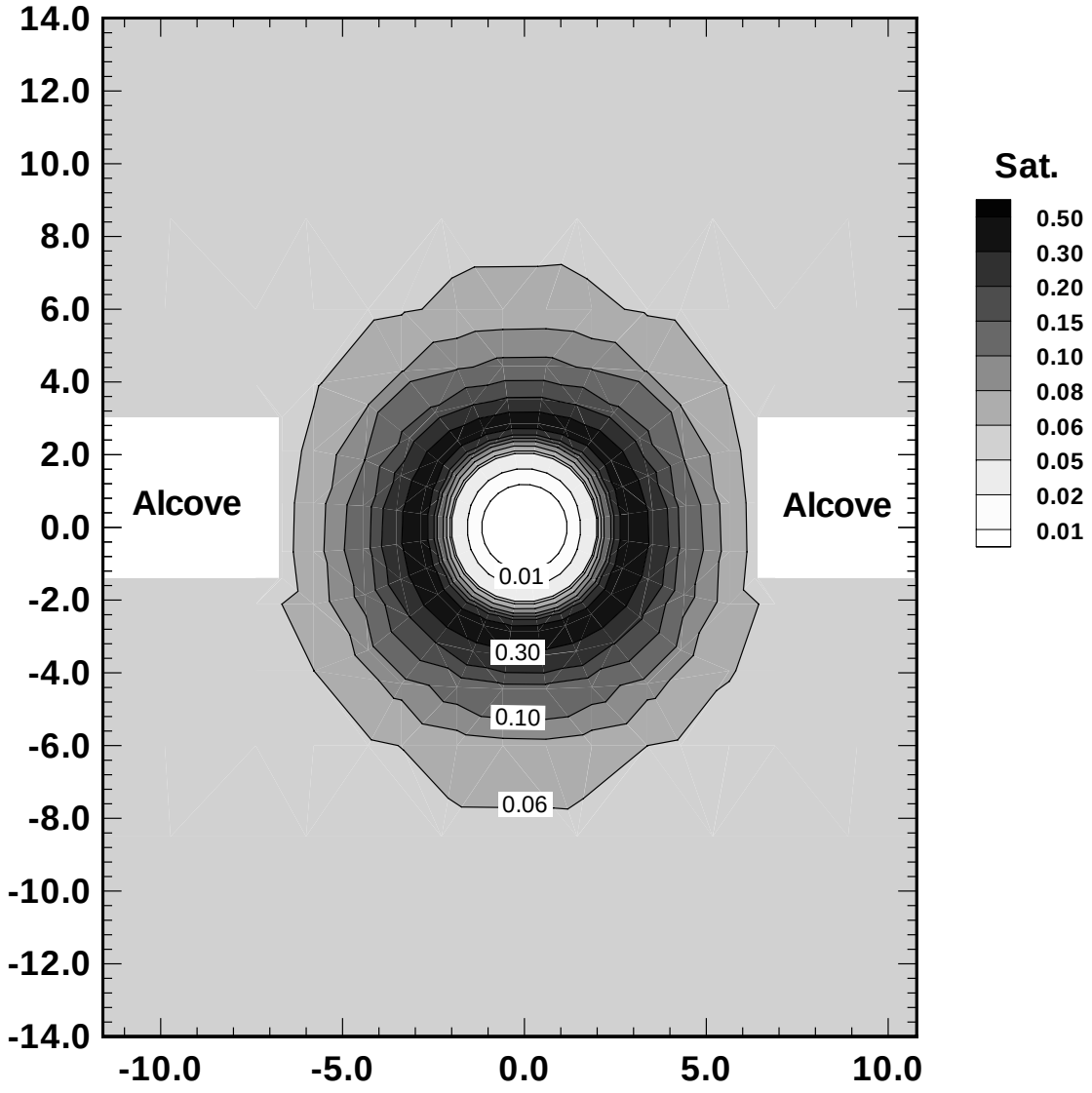

Figure 6.2-7 *Fracture liquid saturation for case with non-insulated alcove walls at 1 year in 2D - simulation.*

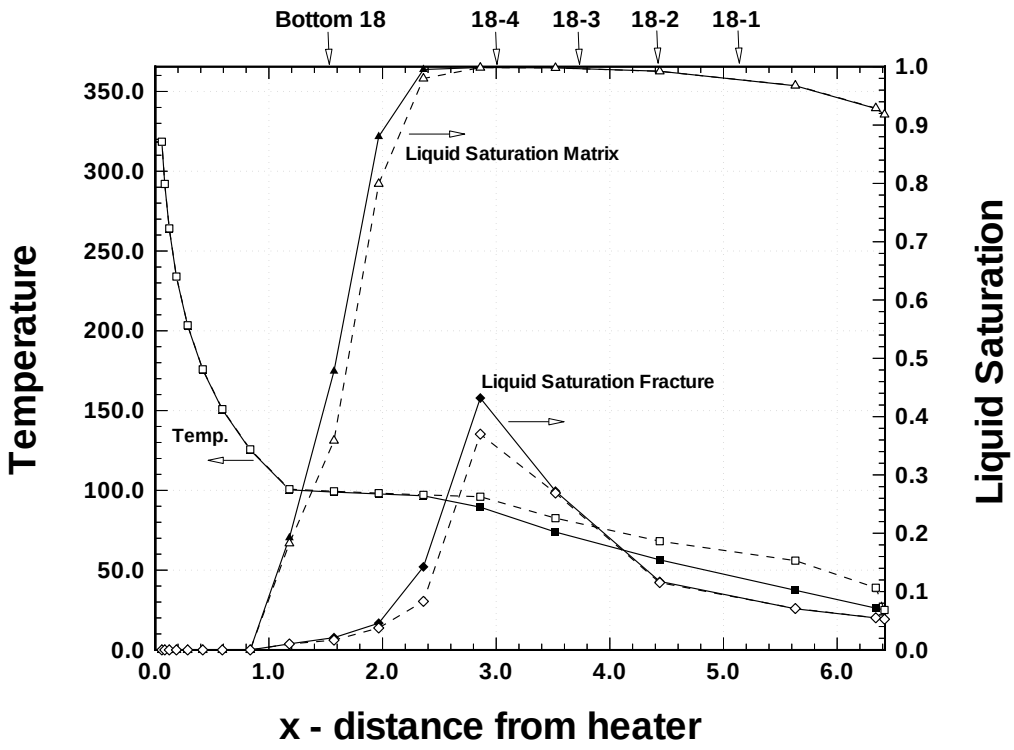

Figure 6.2-8 *Comparison of temperature / liquid saturation at 1 year along X - axis at Z = 0.0 m for two different alcove boundary conditions in 2D - simulation. Solid symbols / lines denote no insulation, hollow symbols and dashed lines denote insulation for heat only, as used in the Base Case.*

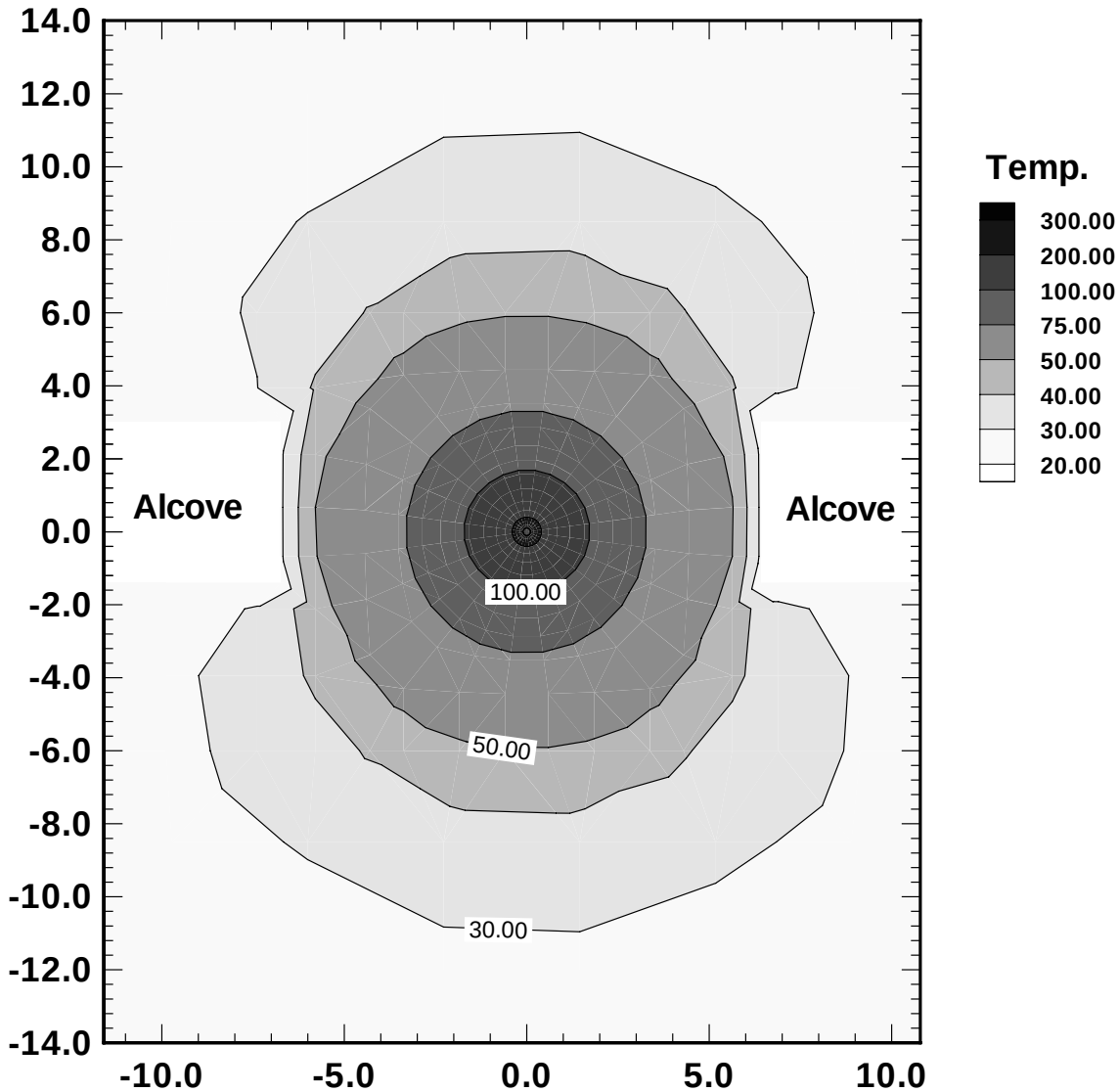

Figure 6.3-1 *Temperature response for case with enhanced vapor diffusion at 1 year in 2D - simulation.*

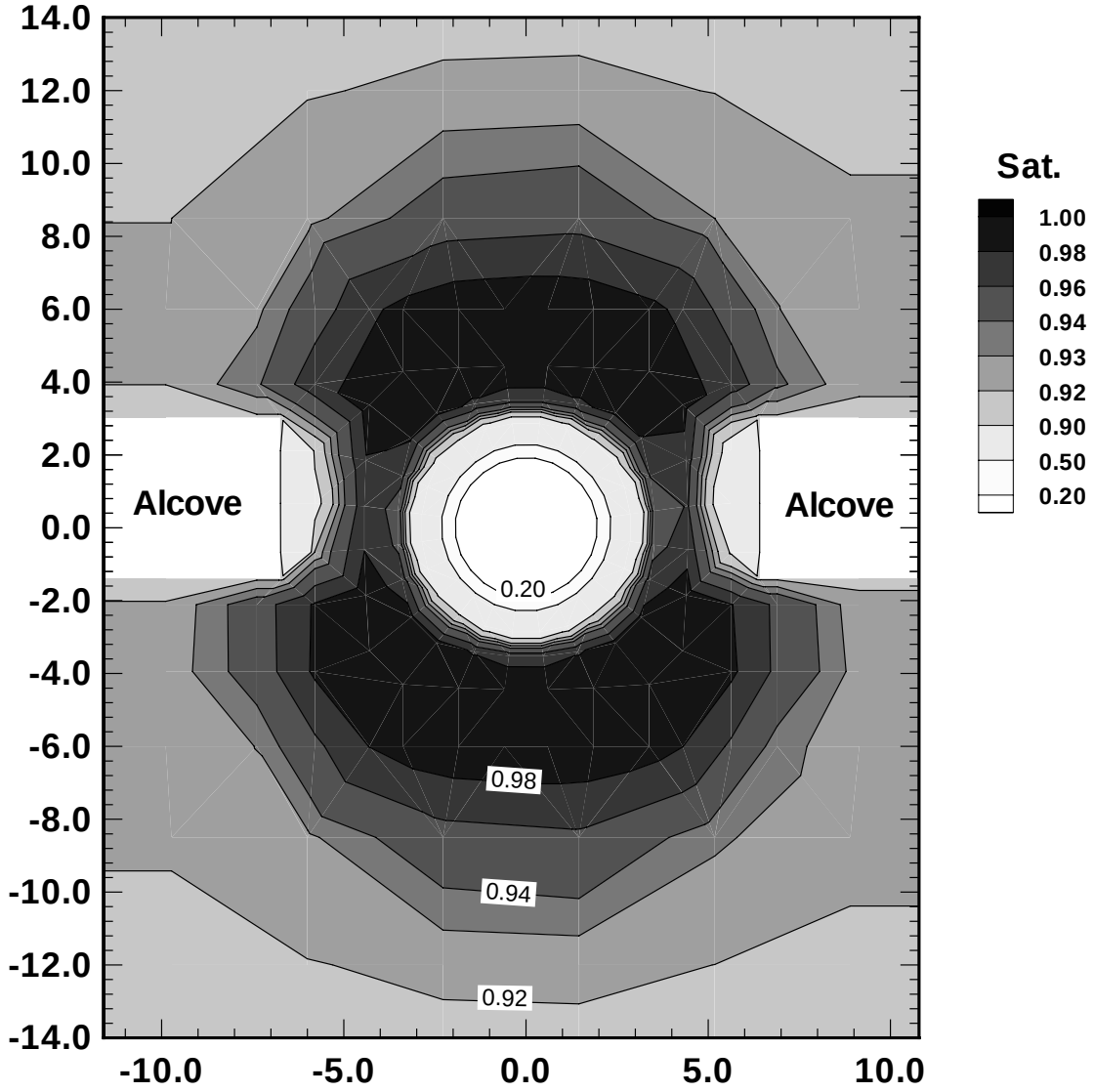

Figure 6.3-2 *Equivalent continuum liquid saturation for case with enhanced vapor diffusion at 1 year in 2D - simulation.*

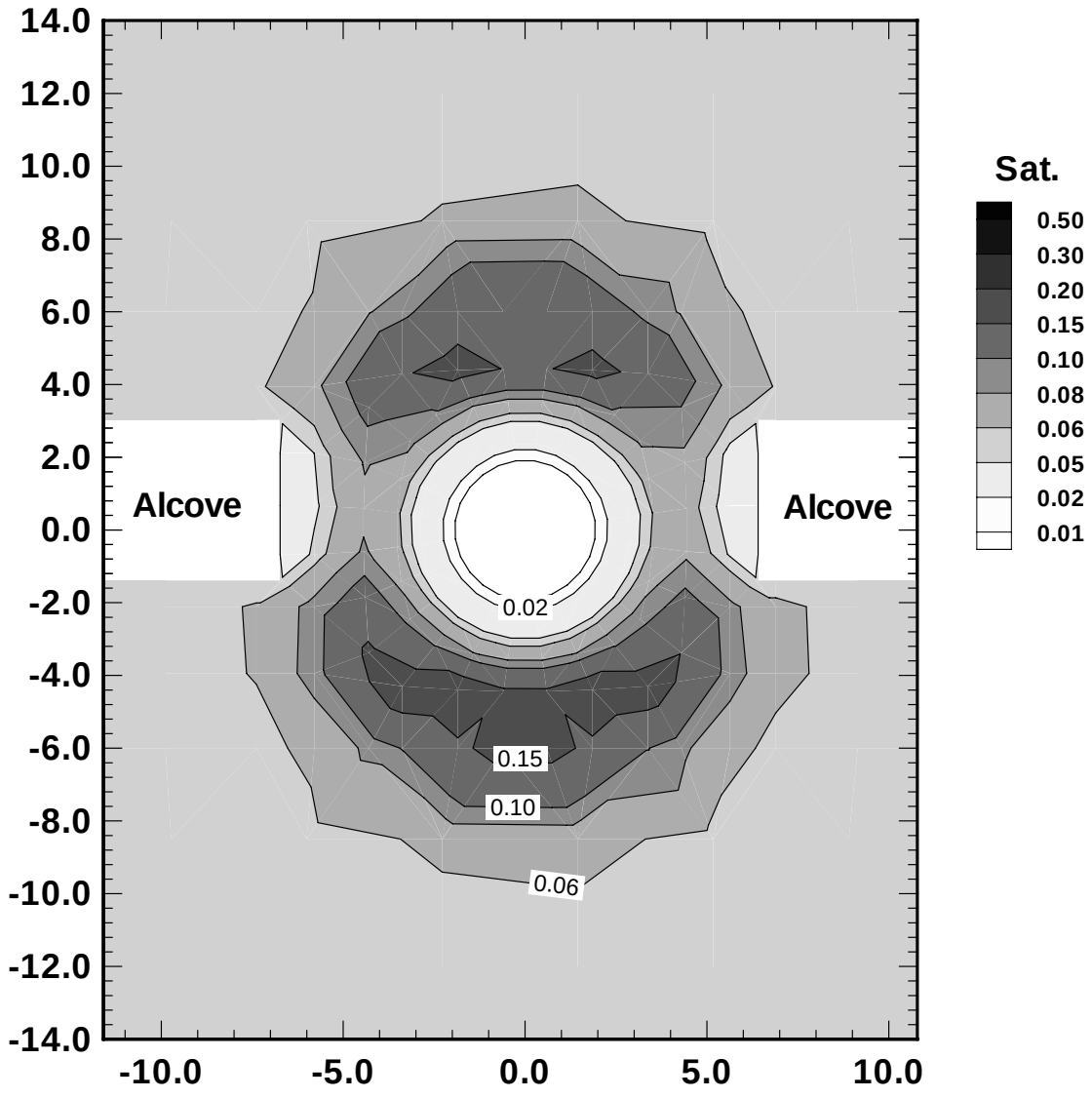

Figure 6.3-3 *Fracture liquid saturation for case with enhanced vapor diffusion at 1 year in 2D - simulation.*

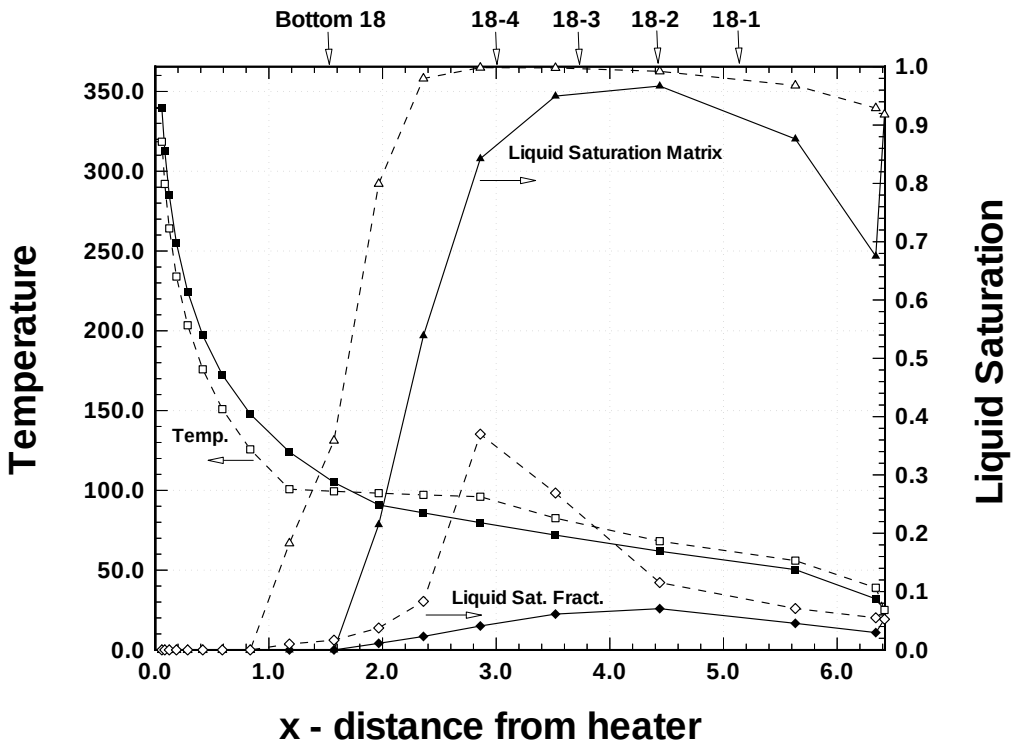

Figure 6.3-4 *Comparison of temperature / liquid saturation at 1 year along X - axis at Z = 0.0 m for ordinary and enhanced vapor diffusion in 2D - simulation. Solid symbols / lines denote enhanced vapor diffusion, hollow symbols and dashed lines denote ordinary vapor diffusion, as used in the Base Case.*

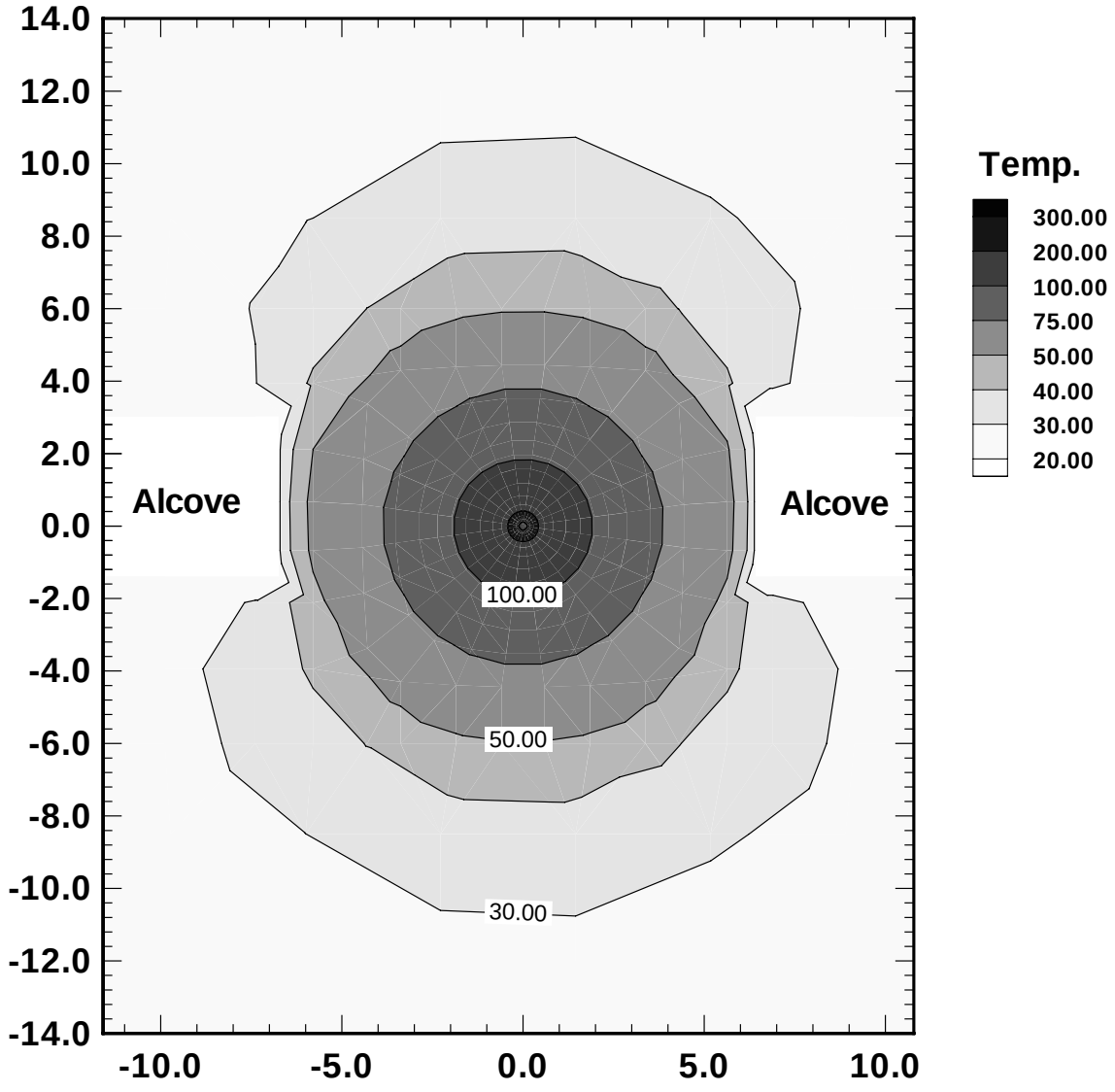

Figure 6.4-1 *Temperature response in the matrix at 1 year in 2D - simulation using dual-permeability approach.*

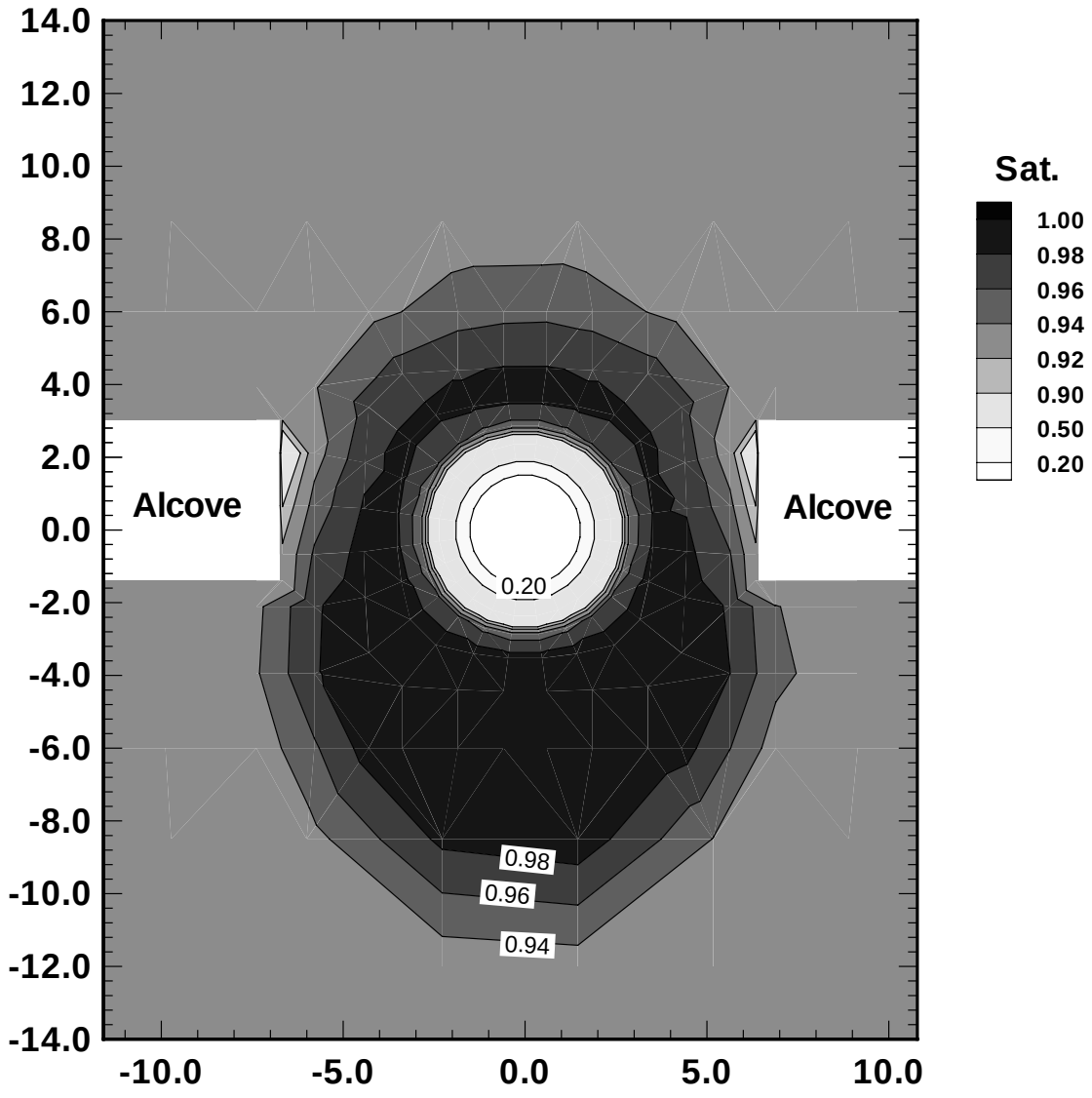

Figure 6.4-2 *Matrix liquid saturation at 1 year in 2D - simulation using dual-permeability approach.*

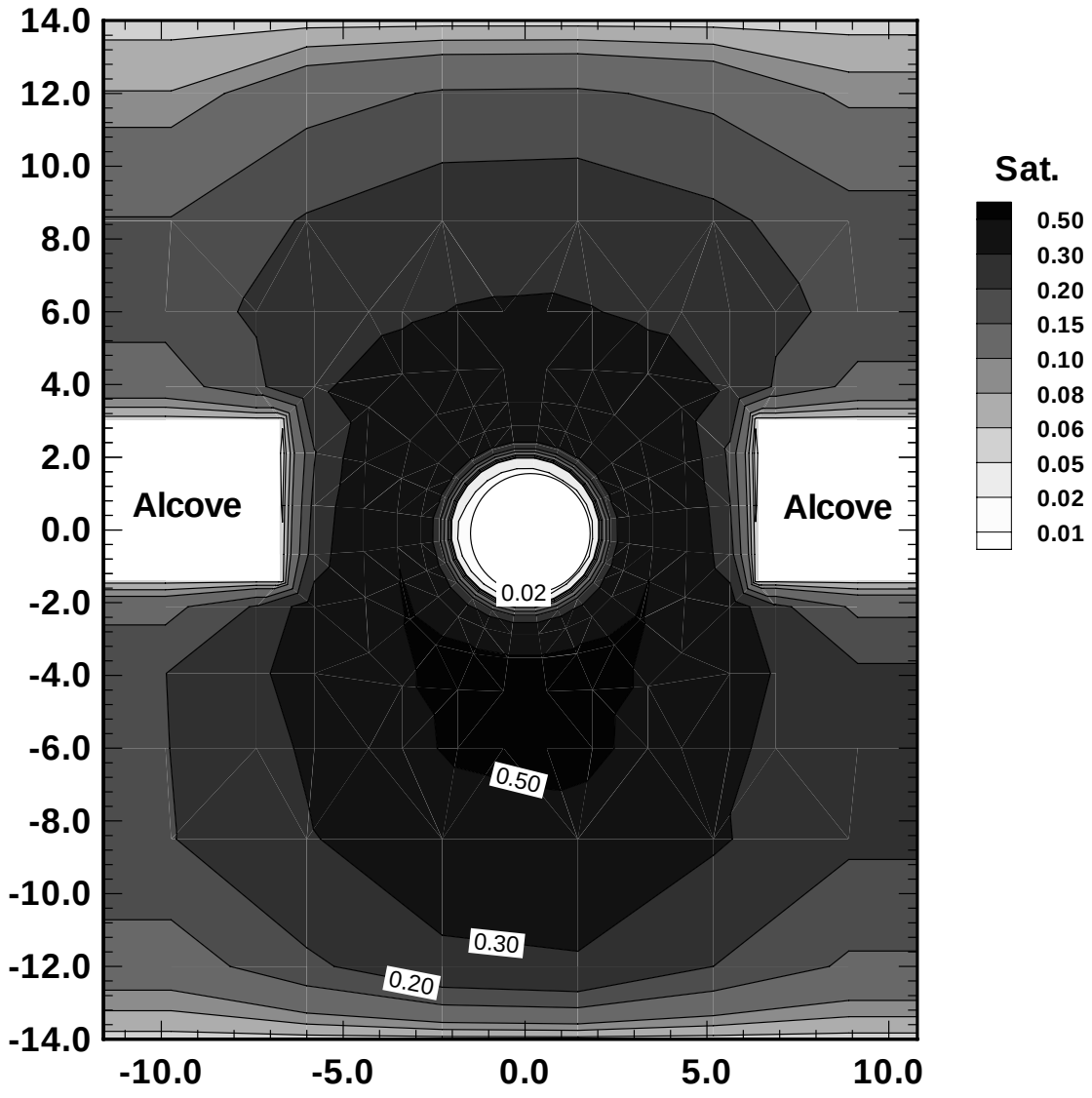

Figure 6.4-3 *Fracture liquid saturation at 1 year in 2D - simulation using dual-permeability approach.*

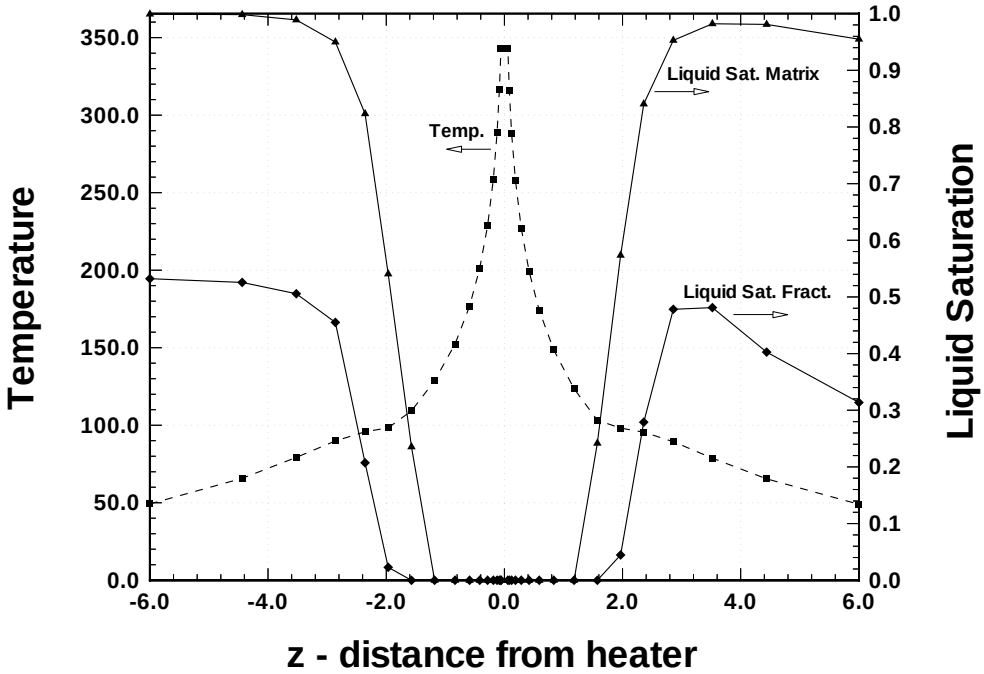

Figure 6.4-4 *Temperature / liquid saturation for dual-permeability model in 2D - simulation at 1 year along Z - axis at X = 0.0 m.*

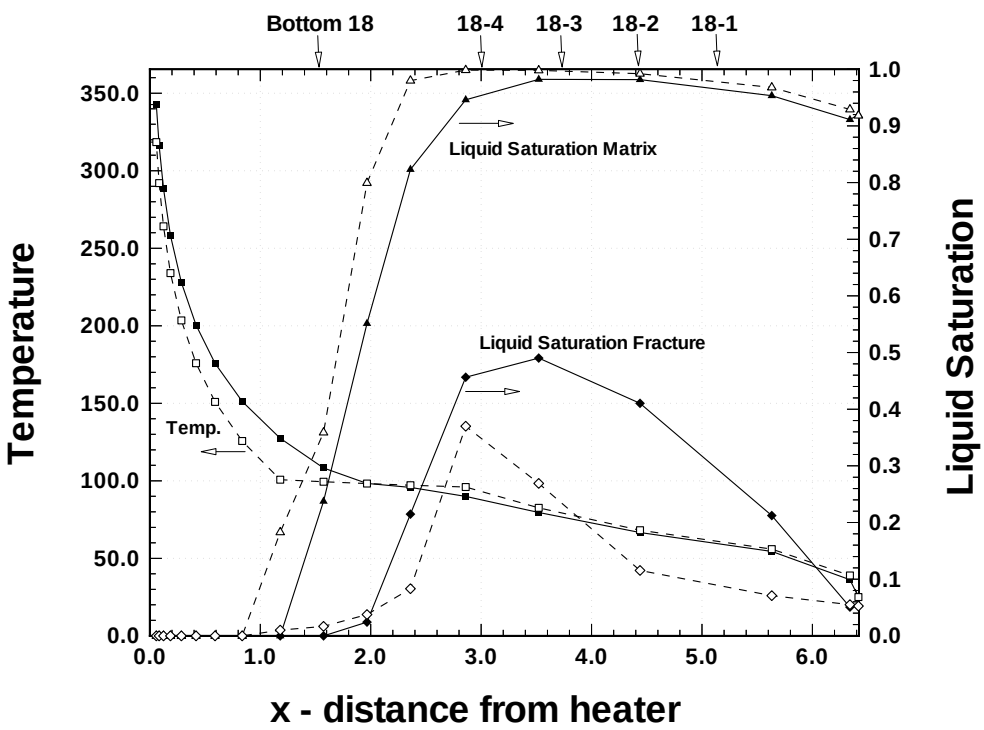

Figure 6.4-5 *Comparison of temperature / liquid saturation at 1 year along X - axis at Z = 0.0 m for different model concepts in 2D - simulation. Solid symbols / lines denote dual-permeability modeling, hollow symbols and dashed lines denote ECM - modeling.*

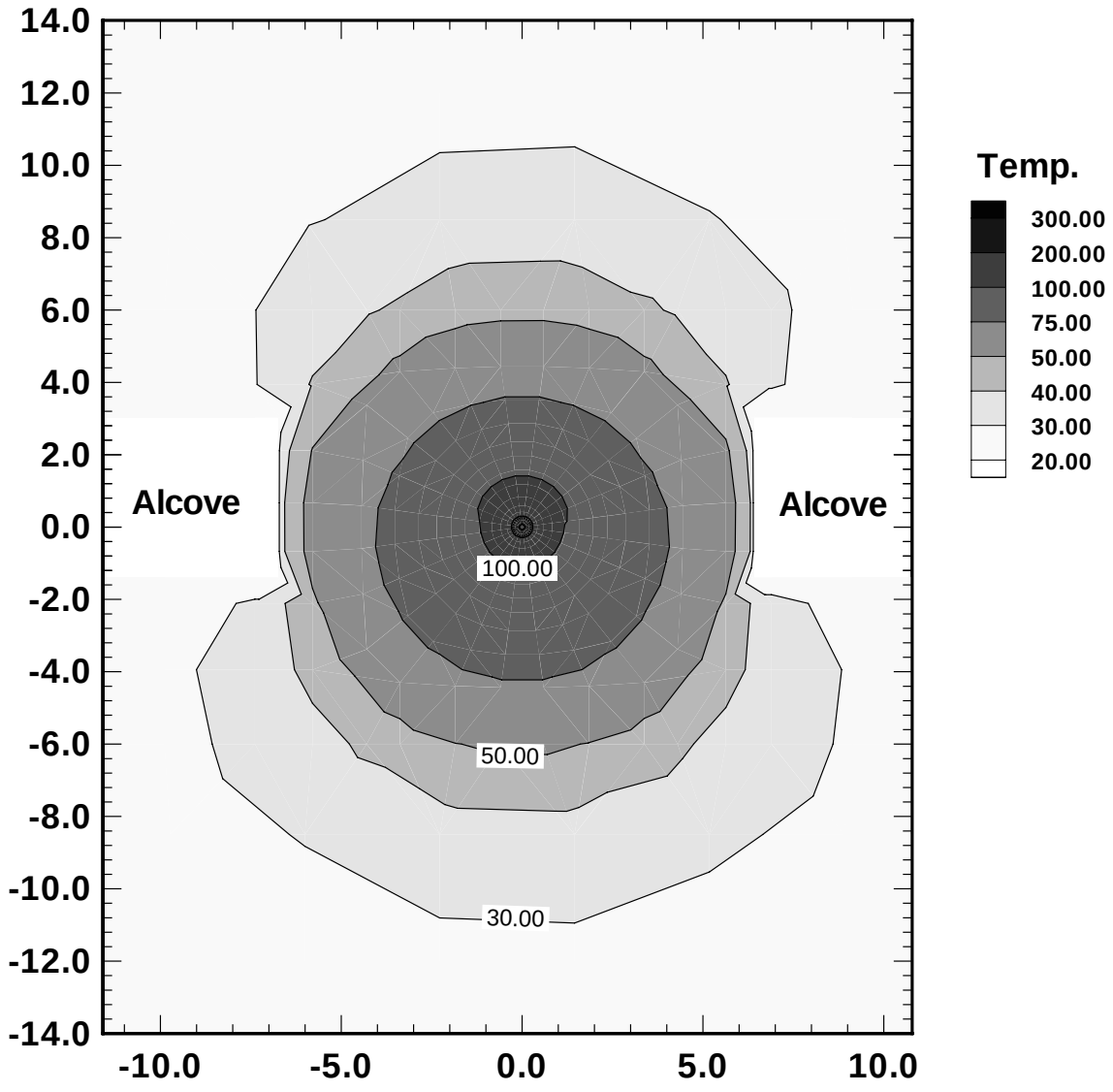

Figure 6.5-1 *Temperature response for case with high fracture permeability at 1 year in 2D - simulation.*

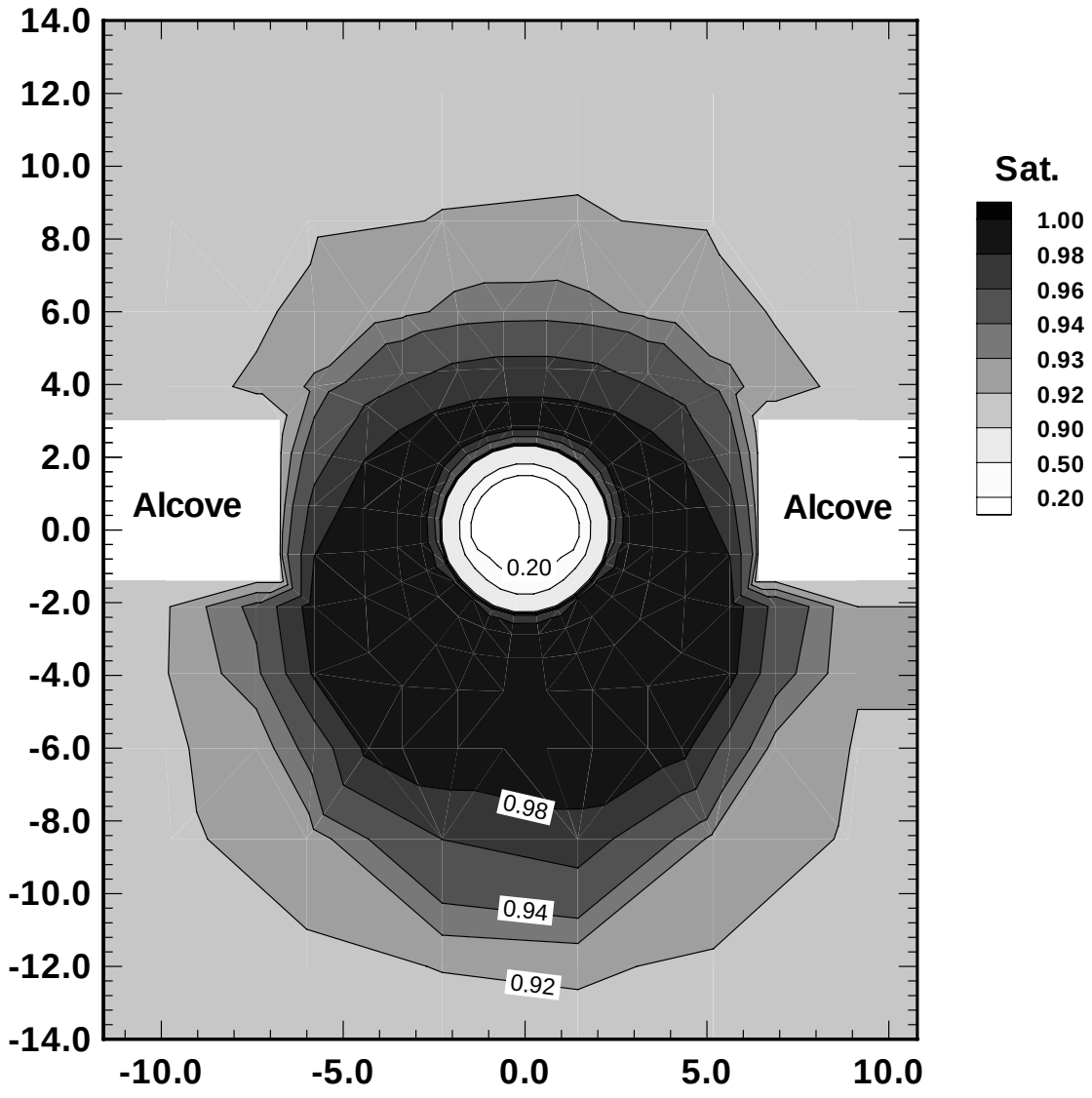

Figure 6.5-2 *Equivalent continuum liquid saturation for case with high fracture permeability at 1 year in 2D - simulation.*

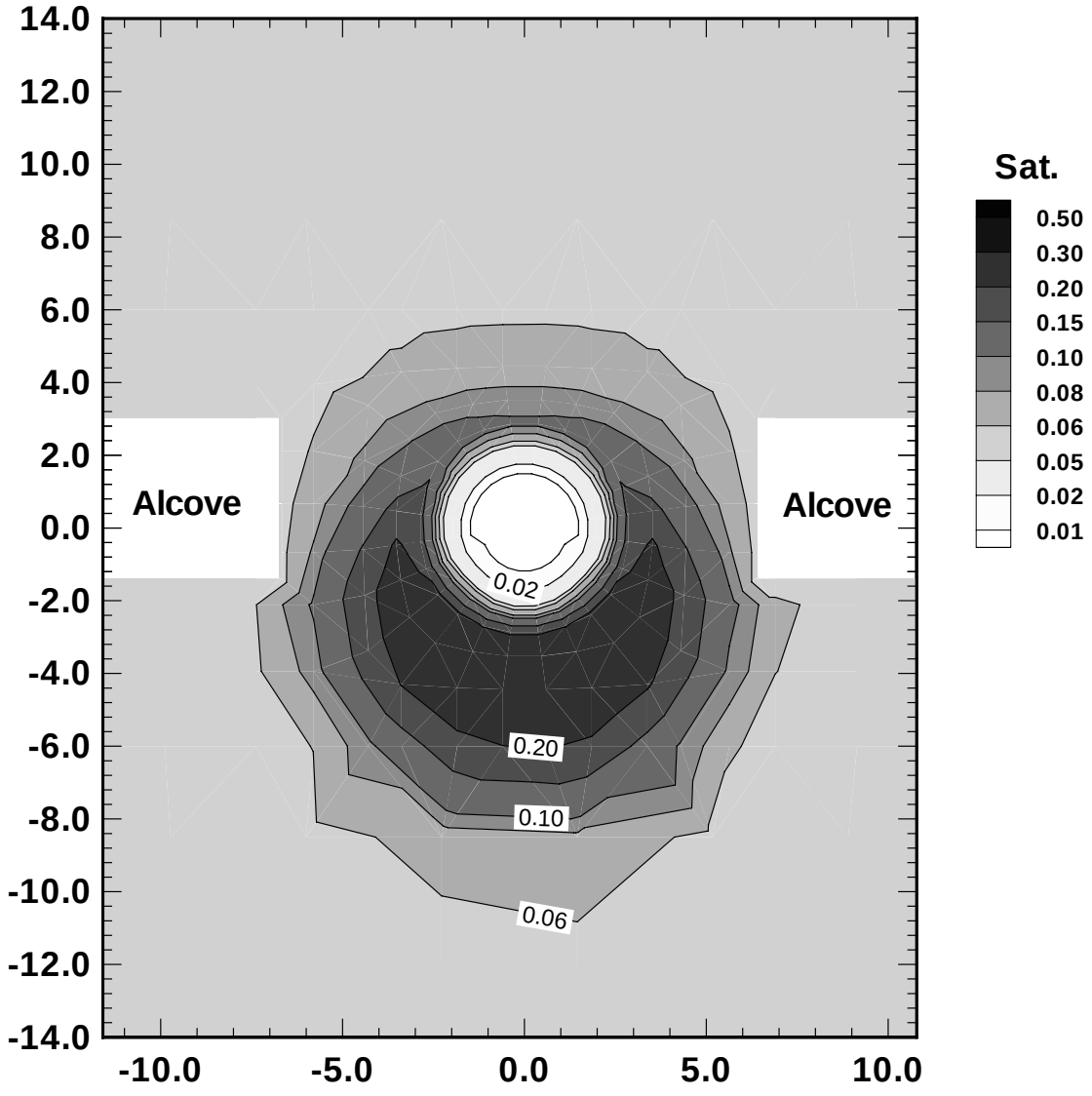

Figure 6.5-3 *Fracture liquid saturation for case with high fracture permeability at 1 year in 2D - simulation.*

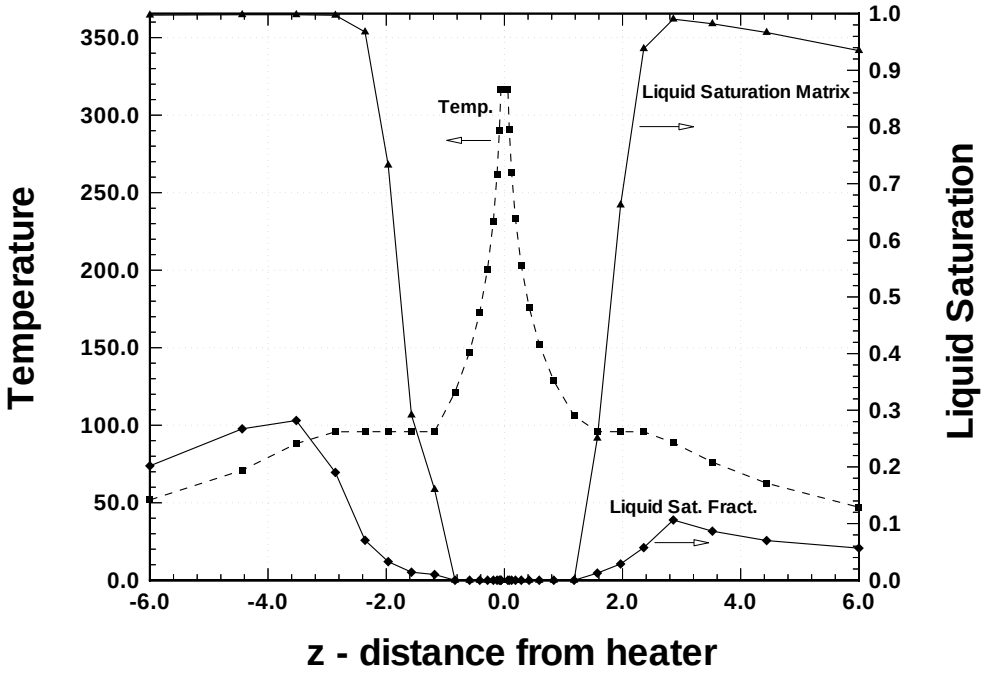

Figure 6.5-4 *Temperature / liquid saturation for case with high fracture permeability in 2D - simulation at 1 year along Z - axis at X = 0.0 m.*

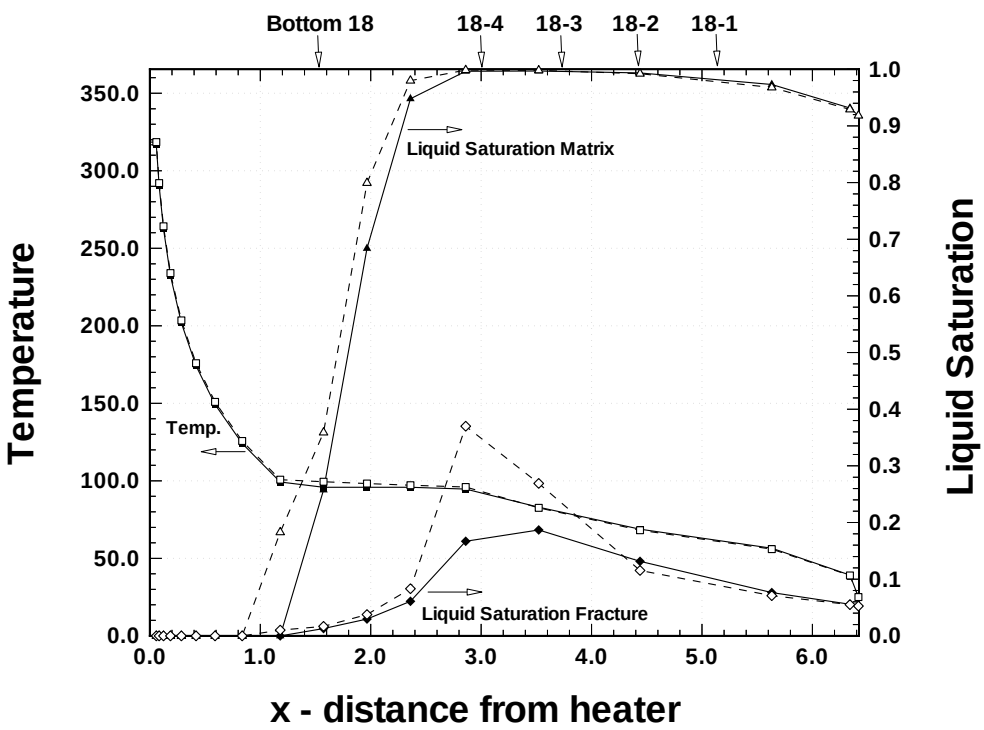

Figure 6.5-5 *Comparison of temperature / liquid saturation at 1 year along X - axis at Z = 0.0 m for different fracture permeabilities in 2D - simulation. Solid symbols / lines denote case with high fracture permeability, hollow symbols and dashed lines denote Base Case.*

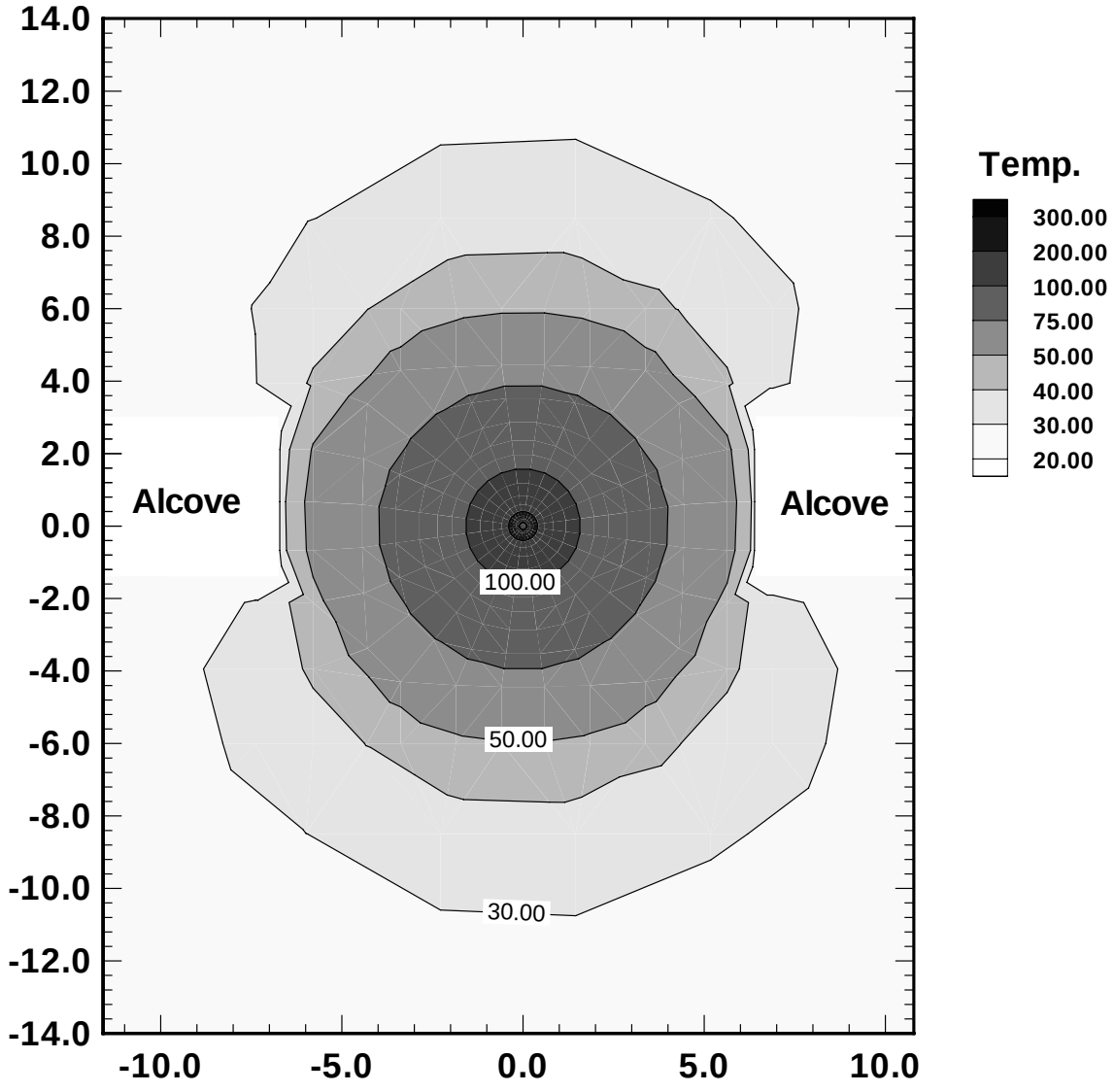

Figure 6.6-1 *Temperature response for case with low matrix permeability at 1 year in 2D - simulation.*

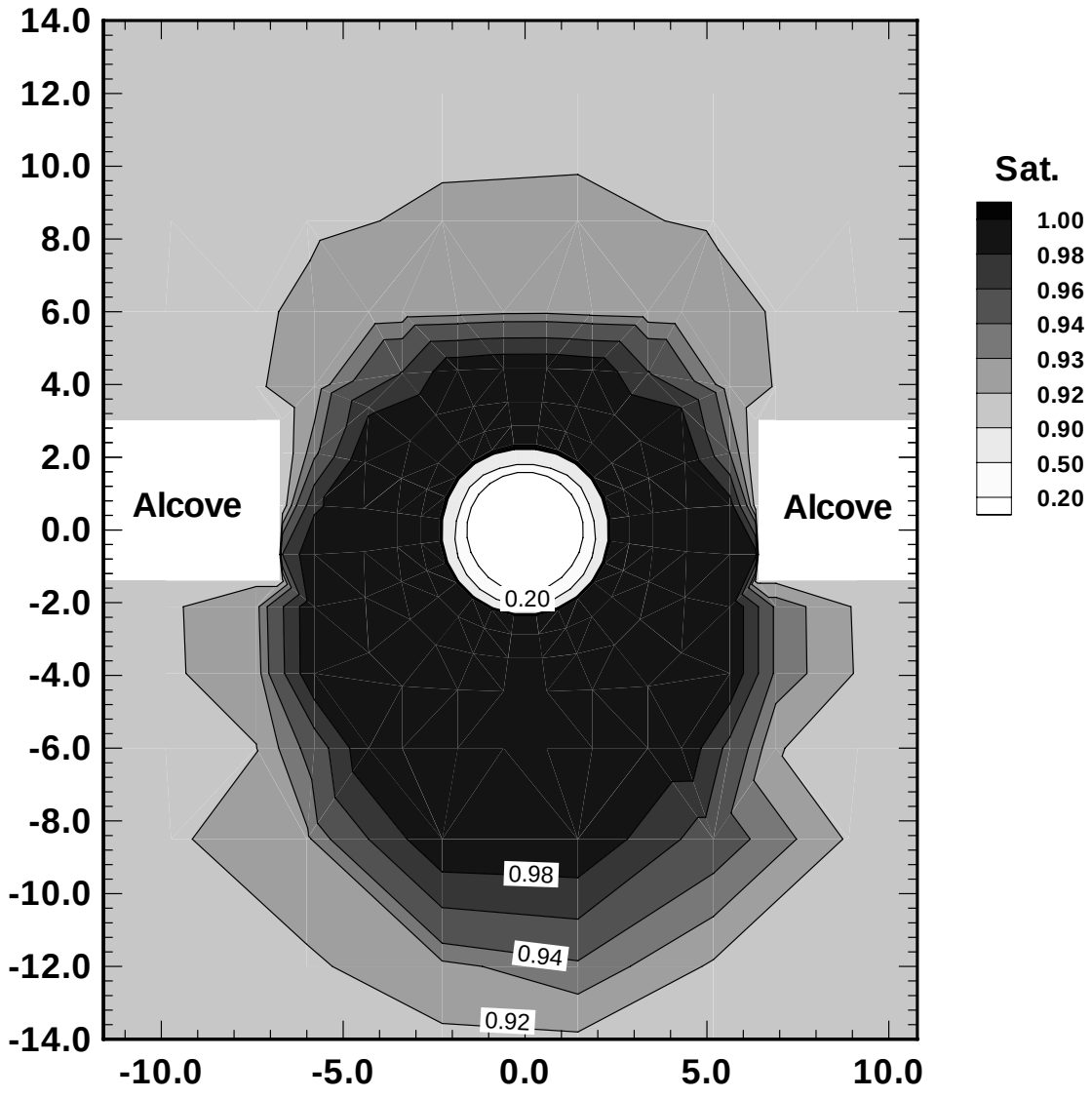

Figure 6.6-2 *Equivalent continuum liquid saturation for case with low matrix permeability at 1 year in 2D - simulation.*

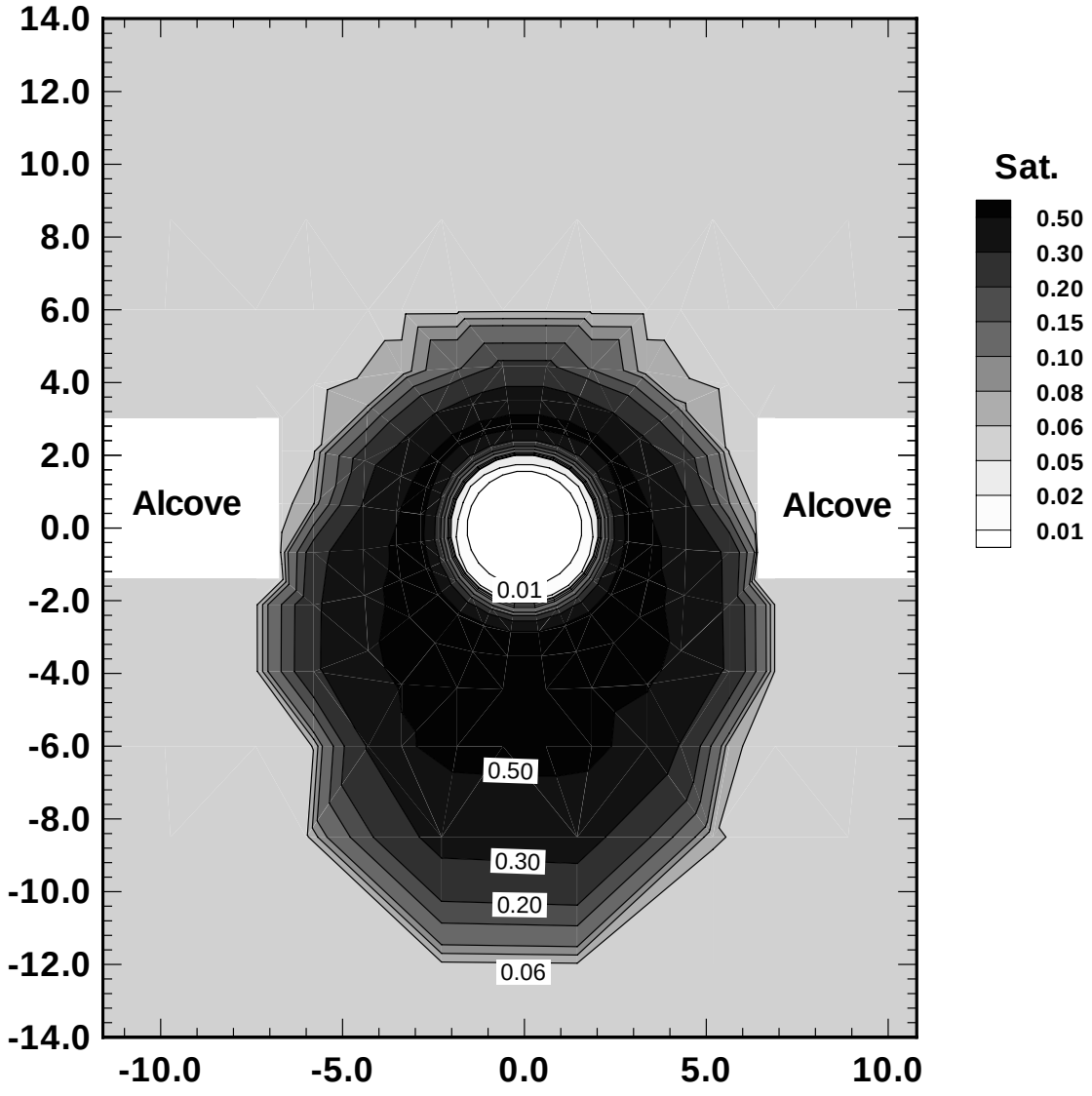

Figure 6.6-3 *Fracture liquid saturation for case with low matrix permeability at 1 year in 2D - simulation.*

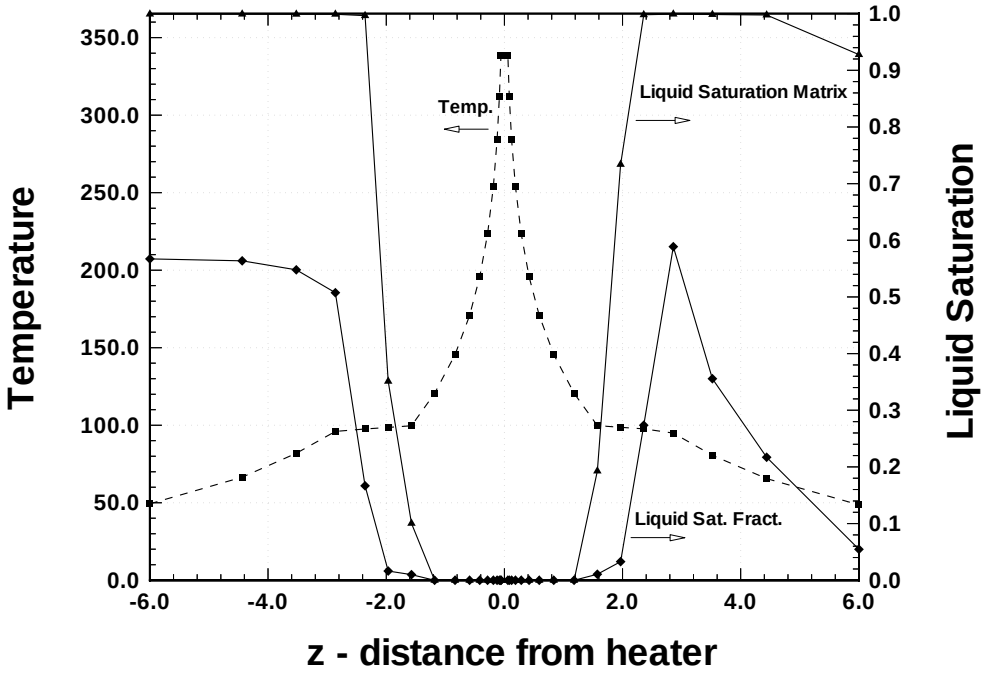

Figure 6.6-4 *Temperature / liquid saturation for case with low matrix permeability in 2D - simulation at 1 year along Z - axis at X = 0.0 m.*

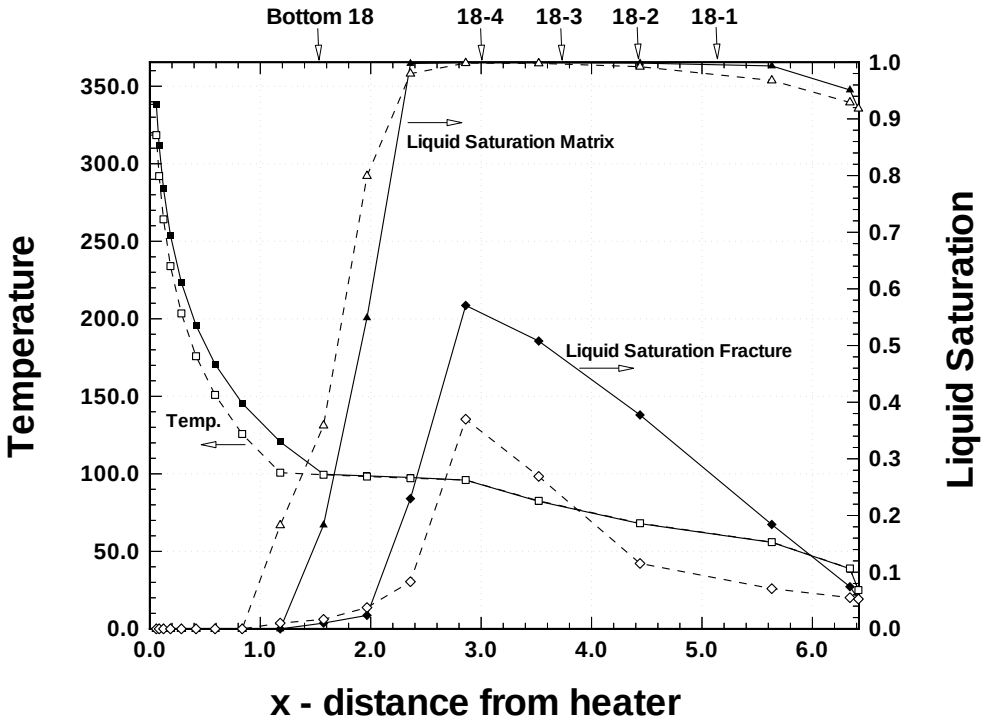

Figure 6.6-5 *Comparison of temperature / liquid saturation at 1 year along X - axis at Z = 0.0 m for different matrix permeabilities in 2D - simulation. Solid symbols / lines denote case with low matrix permeability, hollow symbols and dashed lines denote Base Case.*